For Research Use Only

CD146/MCAM Monoclonal antibody

Catalog Number:66153-1-lg <u>3 Publications</u>



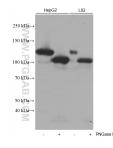
Basic Information	Catalog Number: 66153-1-lg	GenBank Accession Number: BC056418	Purification Method: Protein G purification	
	Size:	GenelD (NCBI):	CloneNo.:	
	150ul , Concentration: 1053 ug/ml by	4162	4D8A9	
	Bradford method using BSA as the standard;	BSA as the UNIPROT ID: Recommended Dilutions: P43121 WB 1:2000-1:20000 Full Name: IHC 1:1000-1:4000 melanoma cell adhesion molecule IF-P 1:1000-1:4000	WB 1:2000-1:20000	
	Source: Mouse			
	lsotype: lgG1	Calculated MW:	IF/ICC 1:250-1:1000	
	Immunogen Catalog Number:	646 aa, 72 kDa Observed MW:		
	AG11855	120 kDa		
Applications	Tested Applications:	Positive Cor	Positive Controls:	
	WB, IHC, IF/ICC, IF-P, ELISA Cited Applications:	WB : HepG2 cells, HeLa cells, A375 cells, L02 cells, HUVEC cells, human placenta tissue		
	WB, IHC		liver cancer tissue, human placenta	
	Species Specificity: human		tissue, human rectal cancer tissue	
	Cited Species:	IF-P : human	liver cancer tissue, human placenta tissu	
	human	IF/ICC : HUV	IF/ICC : HUVEC cells,	
	buffer pH 6.0			
Background Information	melanoma progression, is a transmer superfamily (PMID: 8378324; 259933 cytoplasmic region. In normal adult t muscle. CD146 is a key cell adhesion used as marker of circulating endothe form of CD146, a soluble form of CD1 supernatant of cultured human endot detects a band at approximately 120	nbrane glycoprotein of 113-130 kDa, 32). Structurally, it consists of five Ig issue, CD146 is primarily expressed protein in vascular endothelial cell elium cells (CECs) (PMID: 19356677). .46 (sCD146, 105 kDa) has also been helial cells (PMID: 9462829; 1922907 kDa that corresponds to the molecula and LO2 cells with PNGase F, which re	activity and angiogenesis, and has been In addition to the membrane-anchored found in human plasma and in the 70; 16374253; 14597988). This antibody	
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Notable Publications	melanoma progression, is a transmer superfamily (PMID: 8378324; 259933 cytoplasmic region. In normal adult t muscle. CD146 is a key cell adhesion used as marker of circulating endothe form of CD146, a soluble form of CD1 supernatant of cultured human endot detects a band at approximately 120 Treatment of lysates of HepG2 cells a glycoproteins, led to a down-shift of t Author Pub Xun Xi 338 Han-Wen Ding 393 Yue Cheng 373 Storage: Store at -20°C. Stable for one year aft Storage Buffer: PBS with 0.02% sodium azide and 50	mbrane glycoprotein of 113-130 kDa, 32). Structurally, it consists of five Ig issue, CD146 is primarily expressed protein in vascular endothelial cell - elium cells (CECs) (PMID: 19356677). .46 (sCD146, 105 kDa) has also been helial cells (PMID: 9462829; 1922907 kDa that corresponds to the molecula and LO2 cells with PNGase F, which re- the detected band. med ID Journal 65812 Exp Cell Res 97344 Ultrastruct Pathol 15748 Cell Signal er shipment. % glycerol pH 7.3.	belonging to the immunoglobulin (Ig) domains, a transmembrane domain, and by vascular endothelium and smooth activity and angiogenesis, and has been In addition to the membrane-anchored found in human plasma and in the 70; 16374253; 14597988). This antibody ar weight of glycosylated CD146. moves oligosaccharides from N-linked Application FC IHC	
Background Information Notable Publications Storage *** 20ul sizes contain 0.1% BSA	melanoma progression, is a transmer superfamily (PMID: 8378324; 259933 cytoplasmic region. In normal adult t muscle. CD146 is a key cell adhesion used as marker of circulating endothe form of CD146, a soluble form of CD1 supernatant of cultured human endot detects a band at approximately 120 Treatment of lysates of HepG2 cells a glycoproteins, led to a down-shift of t Author Pub Xun Xi 338 Han-Wen Ding 393 Yue Cheng 373 Storage: Storage Storage Buffer:	mbrane glycoprotein of 113-130 kDa, 32). Structurally, it consists of five Ig issue, CD146 is primarily expressed protein in vascular endothelial cell - elium cells (CECs) (PMID: 19356677). .46 (sCD146, 105 kDa) has also been helial cells (PMID: 9462829; 1922907 kDa that corresponds to the molecula and LO2 cells with PNGase F, which re- the detected band. med ID Journal 65812 Exp Cell Res 97344 Ultrastruct Pathol 15748 Cell Signal er shipment. % glycerol pH 7.3.	belonging to the immunoglobulin (Ig) domains, a transmembrane domain, and by vascular endothelium and smooth activity and angiogenesis, and has been In addition to the membrane-anchored found in human plasma and in the 70; 16374253; 14597988). This antibody ar weight of glycosylated CD146. moves oligosaccharides from N-linked Application FC IHC	

Selected Validation Data

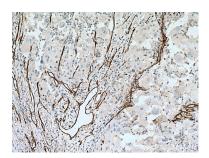
temperature for 1.5 hours.



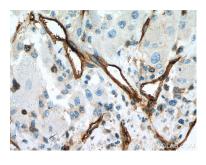




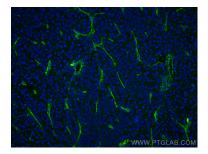
Untreated and PNGase F-treated lysates of HepG2 cells and LO2 cells were subjected to SDS PAGE followed by western blot with 66153-1-lg (CD146/MCAM antibody) at dilution of 1:20000 incubated at room temperature for 1.5 hours. PNGase F was obtained from Atagenix (cat.NO. ata808).



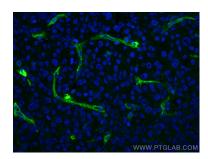
Immunohistochemical analysis of paraffinembedded human liver cancer tissue slide using 66153-1-1g (CD146/MCAM antibody) at dilution of 1:2000 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



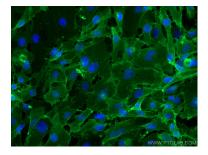
Immunohistochemical analysis of paraffinembedded human liver cancer tissue slide using 66153-1-Ig (CD146/MCAM antibody) at dilution of 1:2000 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



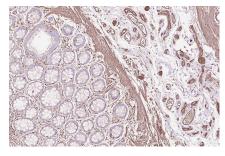
Immunofluorescent analysis of (4% PFA) fixed human liver cancer tissue using CD146/MCAM antibody (66153-1-Ig, Clone: 4D8A9) at dilution of 1:2000 and Coralite®488-Conjugated AffiniPure Goat Anti-Mouse IgG(H+L).



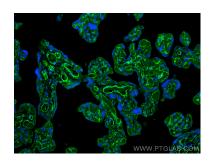
Immunofluorescent analysis of (4% PFA) fixed human liver cancer tissue using CD146/MCAM antibody (66153-1-Ig, Clone: 4D8A9) at dilution of 1:2000 and CoraLite®488-Conjugated AffiniPure Goat Anti-Mouse IgG(H+L).



Immunofluorescent analysis of (4% PFA) fixed HUVEC cells using CD146/MCAM antibody (66153-1-Ig, Clone: 4D8A9) at dilution of 1:500 and CoraLite®488-Conjugated AffiniPure Goat Anti-Mouse IgG(H+L).



Immunohistochemical analysis of paraffinembedded human rectal cancer tissue slide using 66153-1-1g (CD146/MCAM antibody) at dilution of 1:16000 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunofluorescent analysis of (4% PFA) fixed paraffin-embedded human placenta tissue using CD146/MCAM antibody (66153-1-1g, Clone: 4D8A9) at dilution of 1:800 and CoraLite@488-Conjugated Goat Anti-Mouse IgG(H+L) (SA00013-1). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).